displaying the <u>deformed</u> [modified] graphical <u>model</u> [image].

52. (AMENDED) A method as recited in claim 48 further include the step of repositioning the catheter multiple times and repeating the obtaining, <u>deforming</u> [modifying] and displaying steps for each catheter position.

53. (AMENDED) A method as recited in claim 48 further including the step of obtaining a fluoroscopic image of the catheter and its position with respect to the organ and <u>deforming</u> [modifying] the graphical <u>model using</u> [image with] the fluoroscopic position information.

54. (AMENDED) A method as recited in claim 48 further including the step of obtaining input specifying the physical characteristic associated with the organ and <u>deforming</u> [modifying] the graphical <u>model</u> [image] with the input.

56. (AMENDED) A system for graphically displaying and dynamically correcting <u>a model</u> [an image] of <u>an</u> organ comprising:

a processor for generating <u>a model</u> [an image] of an organ;

a display for displaying the generated <u>model</u> [image];

a catheter for placement into the body adjacent the organ; and

means associated with the catheter for generating data related to the position of the catheter and wherein said processor utilizes said position data to <u>deform</u> [update] the <u>displayed model</u> [image] of the organ.

57. (AMENDED) A system as recited in claim 56 further including means for obtaining a fluoroscopic image of the organ and the catheter further including a means for <u>inputting</u> [inputing] information related to the location of the catheter obtained from the fluoroscopic image into the processor to further <u>deform</u> [update] the <u>displayed model</u> [image] of the organ.

Please add new Claims 59 and 60:

--59.    (NEW) <u>A system for graphically displaying and dynamically correcting a model of a region located within a living body, comprising:</u>

<u>a processor for generating a three-dimensional model of a region of interest;</u>

<u>a display for graphically displaying the generated model;</u>

<u>a probe for placement into the body at the region of interest; and</u>

<u>means associated with the probe for generating data related to the three-dimensional position of the probe and wherein said processor utilizes said position data to deform the model of the region of interest to alter to the shape of the model so as to increase the conformity of the model to the actual region of interest within the body.</u>

60.    (NEW) <u>A method of graphically displaying and dynamically correcting a model of a region located within a living body, comprising the steps of:</u>

<u>generating a three-dimensional model of a region of interest;</u>

<u>graphically displaying the generated model;</u>

<u>positioning a probe within the body at the region of interest;</u>

<u>generating position data related to the three-dimensional position of the probe within the body and using said position data to deform the model of the region of interest to alter to the shape of the model so as to increase the conformity of the model to the actual region of interest within the body.--</u>

## REMARKS

I.    Procedural Matters

Claims 48, 52, 53, 54, 56 and 57 are amended.  New Claims 59 and 60 are added.  Claims 1 - 60 are pending.